

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG071322\  
 Data File : BG054268.D  
 Acq On : 13 Jul 2022 10:09  
 Operator : CG/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTDCCC040

Manual Integrations  
 APPROVED

Reviewed By : Christian Giraldo 07/14/2022  
 Supervised By : Jagrut Upadhyay 07/14/2022

Quant Time: Jul 13 12:05:09 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG071222.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jul 12 15:49:20 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.038  | 152  | 15850    | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.847 | 136  | 58467    | 20.000 | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 14.672 | 164  | 47233    | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.416 | 188  | 130925   | 20.000 | ng    | # 0.00   |
| 76) Chrysene-d12              | 21.687 | 240  | 161095   | 20.000 | ng    | # 0.00   |
| 86) Perylene-d12              | 24.919 | 264  | 175159   | 20.000 | ng    | -0.01    |
|                               |        |      |          |        |       |          |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.606  | 112  | 64200    | 81.378 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.204  | 99   | 85246    | 78.344 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.202  | 82   | 86388    | 80.182 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.158 | 330  | 84625    | 92.491 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.291 | 172  | 271226   | 84.374 | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.024 | 244  | 670415   | 85.579 | ng    | 0.00     |
|                               |        |      |          |        |       |          |
| Target Compounds              |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.485  | 88   | 12193    | 35.341 | ng    | # 92     |
| 3) Pyridine                   | 3.884  | 79   | 33967    | 39.419 | ng    | 96       |
| 4) n-Nitrosodimethylamine     | 3.802  | 42   | 19402    | 44.568 | ng    | # 77     |
| 6) Aniline                    | 7.363  | 93   | 49872    | 38.991 | ng    | 97       |
| 8) 2-Chlorophenol             | 7.604  | 128  | 35740    | 40.419 | ng    | 91       |
| 9) Benzaldehyde               | 7.175  | 77   | 22229m   | 34.020 | ng    |          |
| 10) Phenol                    | 7.234  | 94   | 41955    | 38.217 | ng    | 93       |
| 11) bis(2-Chloroethyl)ether   | 7.457  | 93   | 30185    | 37.284 | ng    | 94       |
| 12) 1,3-Dichlorobenzene       | 7.933  | 146  | 44073    | 41.049 | ng    | 93       |
| 13) 1,4-Dichlorobenzene       | 8.080  | 146  | 44968    | 40.872 | ng    | 97       |
| 14) 1,2-Dichlorobenzene       | 8.397  | 146  | 42952    | 40.656 | ng    | 96       |
| 15) Benzyl Alcohol            | 8.279  | 79   | 35194    | 40.122 | ng    | 96       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.561  | 45   | 38761    | 34.479 | ng    | 95       |
| 17) 2-Methylphenol            | 8.485  | 107  | 30571    | 38.975 | ng    | 96       |
| 18) Hexachloroethane          | 9.125  | 117  | 15343    | 40.987 | ng    | # 65     |
| 19) n-Nitroso-di-n-propyla... | 8.843  | 70   | 28042    | 37.749 | ng    | 94       |
| 20) 3+4-Methylphenols         | 8.814  | 107  | 42277    | 38.414 | ng    | 99       |
| 22) Acetophenone              | 8.861  | 105  | 57174    | 40.464 | ng    | # 98     |
| 24) Nitrobenzene              | 9.243  | 77   | 42993    | 40.591 | ng    | # 88     |
| 25) Isophorone                | 9.766  | 82   | 76535    | 39.269 | ng    | # 93     |
| 26) 2-Nitrophenol             | 9.960  | 139  | 22173    | 42.491 | ng    | # 84     |
| 27) 2,4-Dimethylphenol        | 10.018 | 122  | 29727    | 40.727 | ng    | 96       |
| 28) bis(2-Chloroethoxy)met... | 10.248 | 93   | 38464    | 38.769 | ng    | 97       |
| 29) 2,4-Dichlorophenol        | 10.500 | 162  | 44950    | 42.490 | ng    | 86       |
| 30) 1,2,4-Trichlorobenzene    | 10.712 | 180  | 57111    | 43.755 | ng    | 94       |
| 31) Naphthalene               | 10.900 | 128  | 119476   | 40.637 | ng    | 99       |
| 32) Benzoic acid              | 10.171 | 122  | 11997    | 36.550 | ng    | # 74     |
| 33) 4-Chloroaniline           | 11.006 | 127  | 48360    | 39.553 | ng    | 93       |
| 34) Hexachlorobutadiene       | 11.188 | 225  | 49726    | 45.914 | ng    | 96       |
| 35) Caprolactam               | 11.769 | 113  | 12146    | 40.315 | ng    | # 74     |
| 36) 4-Chloro-3-methylphenol   | 12.128 | 107  | 40921    | 40.205 | ng    | # 82     |
| 37) 2-Methylnaphthalene       | 12.504 | 142  | 91072    | 40.420 | ng    | 99       |
| 38) 1-Methylnaphthalene       | 12.721 | 142  | 89709    | 41.009 | ng    | 94       |
| 40) 1,2,4,5-Tetrachloroben... | 12.868 | 216  | 82284    | 42.917 | ng    | # 96     |
| 41) Hexachlorocyclopentadiene | 12.850 | 237  | 20245    | 40.858 | ng    | 91       |
| 43) 2,4,6-Trichlorophenol     | 13.109 | 196  | 47303    | 42.960 | ng    | 93       |

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| 44) 2,4,5-Trichlorophenol     | 13.185 | 196  | 52971    | 43.980 | ng    | # 92     |
| 46) 1,1'-Biphenyl             | 13.503 | 154  | 130299   | 41.023 | ng    | 97       |
| 47) 2-Chloronaphthalene       | 13.550 | 162  | 108391   | 40.821 | ng    | 96       |
| 48) 2-Nitroaniline            | 13.749 | 65   | 30573    | 40.682 | ng    | 93       |
| 49) Acenaphthylene            | 14.396 | 152  | 165170   | 41.004 | ng    | 99       |
| 50) Dimethylphthalate         | 14.120 | 163  | 154752   | 41.729 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 14.243 | 165  | 33604    | 41.689 | ng    | # 72     |
| 52) Acenaphthene              | 14.731 | 154  | 101552   | 41.681 | ng    | 96       |
| 53) 3-Nitroaniline            | 14.572 | 138  | 28525    | 39.923 | ng    | 93       |
| 54) 2,4-Dinitrophenol         | 14.783 | 184  | 15466    | 38.054 | ng    | # 81     |
| 55) Dibenzofuran              | 15.066 | 168  | 178455   | 41.700 | ng    | 95       |
| 56) 4-Nitrophenol             | 14.889 | 139  | 20126    | 43.845 | ng    | 97       |
| 57) 2,4-Dinitrotoluene        | 15.030 | 165  | 49073    | 42.044 | ng    | # 86     |
| 58) Fluorene                  | 15.718 | 166  | 147653   | 41.533 | ng    | 94       |
| 59) 2,3,4,6-Tetrachlorophenol | 15.301 | 232  | 52959    | 43.900 | ng    | # 87     |
| 60) Diethylphthalate          | 15.477 | 149  | 148793   | 41.137 | ng    | 96       |
| 61) 4-Chlorophenyl-phenyle... | 15.706 | 204  | 97994    | 43.394 | ng    | # 87     |
| 62) 4-Nitroaniline            | 15.729 | 138  | 31165    | 41.761 | ng    | 89       |
| 63) Azobenzene                | 16.000 | 77   | 107362   | 39.386 | ng    | 82       |
| 65) 4,6-Dinitro-2-methylph... | 15.800 | 198  | 33642    | 43.679 | ng    | 73       |
| 66) n-Nitrosodiphenylamine    | 15.917 | 169  | 134281   | 40.662 | ng    | 96       |
| 67) 4-Bromophenyl-phenylether | 16.599 | 248  | 74790    | 42.829 | ng    | # 89     |
| 68) Hexachlorobenzene         | 16.728 | 284  | 84859    | 42.575 | ng    | # 90     |
| 69) Atrazine                  | 16.863 | 200  | 62952    | 43.162 | ng    | 96       |
| 70) Pentachlorophenol         | 17.069 | 266  | 34812    | 40.850 | ng    | 90       |
| 71) Phenanthrene              | 17.457 | 178  | 268537   | 41.003 | ng    | 98       |
| 72) Anthracene                | 17.551 | 178  | 266931   | 41.618 | ng    | 98       |
| 73) Carbazole                 | 17.815 | 167  | 225309   | 41.482 | ng    | 97       |
| 74) Di-n-butylphthalate       | 18.368 | 149  | 262528   | 40.818 | ng    | # 98     |
| 75) Fluoranthene              | 19.466 | 202  | 376740   | 42.299 | ng    | 96       |
| 77) Benzidine                 | 19.642 | 184  | 118948   | 42.062 | ng    | 98       |
| 78) Pyrene                    | 19.831 | 202  | 381637   | 41.163 | ng    | 98       |
| 80) Butylbenzylphthalate      | 20.706 | 149  | 119743   | 39.860 | ng    | # 86     |
| 81) Benzo(a)anthracene        | 21.670 | 228  | 422877   | 41.497 | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine    | 21.581 | 252  | 132109   | 42.416 | ng    | # 99     |
| 83) Chrysene                  | 21.734 | 228  | 401539   | 41.661 | ng    | 97       |
| 84) Bis(2-ethylhexyl)phtha... | 21.570 | 149  | 168431   | 39.517 | ng    | # 91     |
| 85) Di-n-octyl phthalate      | 22.780 | 149  | 289840   | 39.500 | ng    | # 93     |
| 87) Indeno(1,2,3-cd)pyrene    | 28.638 | 276  | 548494   | 41.625 | ng    | # 99     |
| 88) Benzo(b)fluoranthene      | 23.896 | 252  | 431690   | 41.562 | ng    | # 98     |
| 89) Benzo(k)fluoranthene      | 23.967 | 252  | 420954   | 40.852 | ng    | # 98     |
| 90) Benzo(a)pyrene            | 24.778 | 252  | 365525   | 41.129 | ng    | # 99     |
| 91) Dibenzo(a,h)anthracene    | 28.685 | 278  | 449791   | 41.667 | ng    | # 96     |
| 92) Benzo(g,h,i)perylene      | 29.801 | 276  | 446542   | 41.473 | ng    | # 93     |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

